FIG. 27M shows a schematic of the device of FIG. 27E at a radio-wave-recharging station.

FIG. 28A shows an elevation view of a battery 2800 having stacked cells.

FIG. 28B shows a plan view of a single battery cell after recycling.

FIG. 28C shows a process 2810 used for recycling.

FIG. 29A shows a block diagram of a layer-deposition system 2960.

FIG. 29B shows a perspective view of a partially processed wafer 2964.

FIG. 29C shows a block diagram of a layer-deposition system 2965.

FIG. 29D shows a perspective view of a processed wafer 2969.

FIG. 29E shows a block diagram of a layer-deposition system 2965.

FIG. 29F shows a perspective view of a partially processed wafer 2974.

FIG. 29G shows a block diagram of a layer-deposition system 2960.

FIG. 29H shows a perspective view of a processed wafer 2979.

FIG. 29I shows a perspective view of wired diced final device 2600.

FIG. 30 is a perspective view of an implantable device according to this invention.

FIG. 31A is an exploded perspective view of a pacemaker according to this invention.

FIG. 31B is an exploded perspective view of a pacemaker as it is being formed during a series of steps according to this invention.

A1 FIG. 31C shows one method for making a pacemaker 3102.

FIG. 32A is a perspective view of a first embodiment of a watch of the invention.

FIG. 32B is a perspective view of a second embodiment of a watch .

In the drawings, like numerals describe substantially similar components throughout the several views. Signals and connections may be referred to by the same reference number, and the meaning will be clear from the context of the description.

Detailed Description

In the following detailed description of the preferred embodiments, reference is made to the accompanying drawings that form a part hereof, and in which are shown, by way of illustration, specific embodiments in which the invention may be practiced. It is to be understood that other embodiments may be utilized and structural changes may be

made without departing from the scope of the present invention.

Figure 31C shows one method for making a pacemaker 3102. The method includes a plurality of steps carrying the reference numbers 3194, 3195, 3196 and 3197. The pacemaker 3102 includes a first half and a second half 3130. In the initial step, 3194, the second half 3130 is provided. A battery cell 1110 is formed on an interior surface of the pacemaker 3102, as shown by step 3195. The electronics 3150 are then placed onto the battery 1110 to form a circuit with the battery 1110, as depicted by step 3196. The first half 3131 of the enclosure is placed over the second half 3130 to form the assembled pacemaker 3102, as depicted by step 3197.